



SEQUENCE LISTING

<110> BRUST, STEFAN
KNAPP, STEFAN
GERKEN, MANFRED
GUERTLER, LUTZ G.

<120> PEPTIDES DERIVED FROM A RETROVIRUS OF THE HIV GROUP AND THEIR USE

<130> 38137-0019

<140> 10/000,321

<141> 2001-12-04

<150> 09/131,552

<151> 1998-08-10

<150> 08/394,021

<151> 1995-02-23

<150> DE P 44 05 810.1

<151> 1994-02-23

<160> 11

<170> PatentIn Ver. 3.2

<210> 1

<211> 48

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (29)

<223> Cys or Ser

<220>

<221> MOD_RES

<222> (35)

<223> Cys or Ser

<400> 1

Val	Trp	Gly	Ile	Arg	Gln	Leu	Arg	Ala	Arg	Leu	Gln	Ala	Leu	Glu	Thr
1				5					10					15	

Leu	Ile	Gln	Asn	Gln	Gln	Arg	Leu	Asn	Leu	Trp	Gly	Xaa	Lys	Gly	Lys
		20						25					30		

Leu	Ile	Xaa	Tyr	Thr	Ser	Val	Lys	Trp	Asn	Thr	Ser	Trp	Ser	Gly	Arg
		35					40					45			

<210> 2
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 2
 Asn Gln Gln Arg Leu Asn Leu Trp Gly Cys Lys Gly Lys Leu Ile Cys
 1 5 10 15

Tyr Thr Ser Val Lys Trp Asn
 20

<210> 3
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 3
 Arg Leu Gln Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Arg Leu Asn
 1 5 10 15

Leu Trp Gly Cys Lys Gly Lys Leu Ile Cys
 20 25

<210> 4
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 4
 Arg Leu Gln Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Arg Leu Asn
 1 5 10 15

Leu Trp Gly Ser Lys Gly Lys Leu Ile Ser
 20 25

<210> 5
 <211> 23
 <212> PRT
 <213> Human immunodeficiency virus type 1

<400> 5
 Asp Gln Gln Leu Leu Gly Ile Trp Gly Cys Ser Gly Lys Leu Ile Cys
 1 5 10 15

Thr Thr Ala Val Pro Trp Asn
 20

<210> 6
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 6
 Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln Gln Leu Leu Gly
 1 5 10 15

Ile Trp Gly Cys Ser Gly Lys Leu Ile Cys
 20 25

<210> 7
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 7
 Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln Gln Leu Leu Gly
 1 5 10 15

Ile Trp Gly Ser Ser Gly Lys Leu Ile Ser
 20 25

<210> 8
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 8
 tgtgtggtac cgcagcggca acagcgctga cg

32

<210> 9
 <211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 9

gtgtgtctag tttagttatg tcaaaccaat tc

32

<210> 10

<211> 146

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 10

Ala Ala Thr Ala Leu Thr Val Arg Thr His Ser Val Leu Lys Gly Ile
1 5 10 15

Val Gln Gln Gln Asp Asn Leu Leu Arg Ala Ile Gln Ala Gln Gln His
20 25 30

Leu Leu Arg Leu Ser Val Trp Gly Ile Arg Gln Leu Arg Ala Arg Leu
35 40 45

Gln Ala Leu Glu Thr Leu Ile Gln Asn Gln Gln Arg Leu Asn Leu Trp
50 55 60

Gly Cys Lys Gly Lys Leu Ile Cys Tyr Thr Ser Val Lys Trp Asn Thr
65 70 75 80

Ser Trp Ser Gly Arg Tyr Asn Asp Asp Ser Ile Trp Asp Asn Leu Thr
85 90 95

Trp Gln Gln Trp Asp Gln His Ile Asn Asn Val Ser Ser Ile Ile Tyr
100 105 110

Asp Glu Ile Gln Ala Ala Gln Asp Gln Gln Glu Lys Asn Val Lys Ala
115 120 125

Leu Leu Glu Leu Asp Glu Trp Ala Ser Leu Trp Asn Trp Phe Asp Ile
130 135 140

Thr Lys
145

<210> 11

<211> 145

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 11

Val Ser Leu Thr Leu Thr Val Gln Ala Arg Gln Leu Leu Ser Gly Ile
1 5 10 15

Val Gln Gln Gln Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His
 20 25 30
 Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Val
 35 40 45
 Leu Ala Val Glu Arg Tyr Leu Arg Asp Gln Gln Leu Leu Gly Ile Trp
 50 55 60
 Gly Cys Ser Gly Lys Leu Ile Cys Thr Thr Ala Val Pro Trp Asn Ala
 65 70 75 80
 Ser Trp Ser Asn Lys Ser Leu Glu Asp Ile Trp Asp Asn Met Thr Trp
 85 90 95
 Met Gln Trp Glu Arg Glu Ile Asp Asn Tyr Thr Asn Thr Ile Tyr Thr
 100 105 110
 Leu Leu Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu
 115 120 125
 Leu Glu Leu Asp Lys Trp Ala Ser Leu Trp Asn Trp Phe Ser Ile Thr
 130 135 140
 Asn
 145